

The Wobbly Oscillator



Cuyahoga Amateur Radio Society

April 2023

Volume 53

Number 4



Happy April Fool's Day

From The Prez

The Hamvention Bus

The CARS bus will again be heading south to the Dayton Hamvention on Saturday, May 20. All the details are contained in the attached flyer and on the CARS website. With prices on everything going through the roof, including the cost of the bus, we are holding the cost to \$50.00. That's not a misprint-\$50.00 American. Not only that, but we are also enticing riders for next year by offering the same price for early sign-up; and you can safely bet we will need to increase the fare next year.

We are seriously considering a third stop at Lodi and I-71 for the convenience of riders down south.

For anyone who has not gone to the Hamvention since it moved to the Green County Fairgrounds, or has not gone to a Hamvention ever, should make it a point to go this year. The Hamvention is the biggest event of its kind in the world. All the major manufacturers display the newest equipment available. Smaller companies have all their various products for sale as well. Of course, the flea market must be seen to believe. We try make it as convenient as possible. The bus arrives when the gates open and gets us home by early evening. There is plenty of room to store purchases in the bus's cargo hold, including items like long antennas that would never fit in car.

I always mention hams come from all over the world to attend the Hamvention incurring a large expenditure for travel, food, and lodging. All we need to do is hop on a bus and shell out fifty bucks.

Speaking of busses, the luxury liner we charter from Barons Bus Lines is as clean and comfortable as they come. The bus will be parked in an area on the fairgrounds a little way from the exhibition area that has a swarm of volunteer driven golf carts hustling people back and forth all day long. The driver stays with the bus all day allowing riders to store large purchases any time during the day or chill out and catch a couple z's in a quiet reclining seat.

Not only are reservations and payment options linked to the CARS website home page, but if we have room, procrastinators can still board the bus and pay their fare Saturday morning. If we haven't thought of a way to make the bus trip any easier, please let us know.

Cliques

When I took over as president of CARS we sent out a survey to members. One complaint was the club had a clique that ruled the club. I hated hearing that. No one wants to be a member of an organization that they don't feel comfortable being part of.

It was true back then that the Board of Directors made most the decisions. I changed that bringing the majority of decisions to the club members at the monthly meetings.

What members perceived as a clique was actually a core group that was handled the activities. They never stopped members from participating.

For a long time, we have whole-heartedly encouraged members to join into all club activities and done our best to make them feel wanted and appreciated. It is important I emphasize this to new members. Please jump into whatever the club does that interests you. That is what a club is all about. We need your support and interest.

73, Toby, WT8O

Next CARS Meeting

Tuesday, March 11 - 7:30 PM

David Korow, AC8TN

Will present a program on:

Wires-X

Setting it up and signing in

Busch Community Room

See Website for Details - www.2cars.org

March 2023 Meeting Minutes

LOCATION — The meeting was held on March 14th at the Busch Funeral Home on Ridge Road in Parma, Ohio

CALLED TO ORDER — The meeting was called to order by President Toby Kolman, WT8O, at 7:34 PM

PLEDGE OF ALLEGIANCE — Those present pledged allegiance to the flag of the United States of America.

INTRODUCTIONS — Those present introduced themselves. 21 individuals attended the meeting, all of whom were members.

FEBRUARY MINUTES — The February minutes were approved as published in the WO.

NEW MEMBERS — Three new members were voted into the Club: Stephen Bopple, KE8WNP; Peter Bradley, KA6SGT, and Mark Scoville, who has not yet been assigned a callsign. Welcome to the new members!

TREASURER'S REPORT — Bob Check, W8GC, reported on the Club's current financial situation. No issues or concerns were identified. All members in attendance are current on their dues. Recent Club income includes annual dues and donations. Recent Club expenses include a deposit for the Dayton bus.

PRESIDENT'S REPORT — Toby Kolman, WT8O, reported the following:

- Those who are able to walk longer distances should park in the back lot of Busch. This will allow individuals who need to park closer to the room to do so.
- Club members should keep side conversations to a minimum during the meeting and presentations.
- The Club roster is available on the website - <https://2cars.org/members/membershipCALL.pdf> and <https://2cars.org/members/membership%20NAME.pdf>. Updates to member information including license class changes, address changes and phone number changes should be sent to the webmaster Bob, W8GC.
- The Dayton bus is reserved. Departure time is 5:30 AM this year. The cost will be \$50 per rider. Those paying via PayPal will also need to pay a \$2 processing fee. Eddie, KD8FTS, is in charge of the bus. More information will be available on the website soon.
- A former Club member recently donated equipment to the Club. A list of equipment was shared with the Club. Those interested in the equipment are encouraged to make a small donation to the Club for the equipment. After today's meeting, the equipment will be made available to non-members.
- Toby congratulated Bob, KC8MRC, for most Net check-ins for 2022. Toby will present Bob's award in the future.
- Thanks to everyone for their WO contributions.



Mark, KC8ESG; Bruno, W8BJS; Steve, KE8WNP, and Mark, AD8KE, relax before the meeting.

VICE PRESIDENT'S REPORT — Ron Hollas, K8RJH, reported the following:

- The ARRL recently approved the rules for Field Day 2023, which can be found at <https://www.arrl.org/field-day-rules>. Notable changes are related to GOTA stations, power limits and multi-channel streaming and automated operations.
- ARRL membership has value both to the Club in terms of additional income to the Club and to members including it's long standing presence, growing services, focus on public service, education, advocacy and technology access.
- Check out the latest ARRL podcast on Radio Orienteering.
- ARRL audio news is posted every Friday.

SECRETARY'S REPORT — Secretary Matt Perlman, KE8OZU, had nothing to report.

PUBLIC SERVICE — Arp, K8ARP, reported that volunteers are needed for the Walk MS event on May 6. The Club Facebook page has a link to N8ESG, <https://n8esg.org/>, where more events can be found. Eddie, KD8FTS, reported that the weekend of August 12 has two events that need volunteers – the Cleveland Triathlon and the Buckeye Breakaway. Chuck, K8CVM, reported that two other weekends have multiple events. June 24 is the MS Bike Ride and Field Day. May 20 is Dayton Hamvention and the Cleveland Marathon. There is an ARES meeting on March 21 at the Helwig Whistle Stop. Christopher Mink from the Cuyahoga Office of Emergency Management will be presenting. March 28 8:00 PM is the next ARES Net from the EOC. The goal of the Net is to find the range. March 22 9:50 AM is a statewide Skywarn tornado drill.

VE UPDATE — Metro, W8MET, reported that the recent VE session on March 12, 2023, resulted in four Technician and one Extra (who also earned his Technician and General). The next VE session will be at 9:15 AM on May 14th at the Old Rec Center in Independence.

PROGRAM COMMITTEE — Joe, KD8BAL, reported that upcoming presentations for CARS meetings include:

- Today's program will be Chuck Mehozzonek, K8CVM, the Cuyahoga County ARES EC, presenting on responsibilities of the EC.
- April's program is TBA.
- May's program will be Chuck, K8CVM, presenting on NanoVNA.
- Please contact Joe with ideas for future programs.

TECH COMMITTEE — Ron, K8RJH, reported that Wires X is up and running from his QTH with two to three hours of activity per day.

QUARTERMASTER — Toby, WT8O, had no updates to report. Toby is acting as the interim Quartermaster until a volunteer takes the position permanently.



Some of the members grabbing refreshments before the March meeting.

HISTORIAN — Toby, WT8O, had no updates to report. The next task for the Historian is to document the story of the Club logo. Toby is acting as the interim Historian until a volunteer takes the position permanently.

REFRESHMENTS — Toby, WT8O, thanked Ron, K8RJH, for providing soft drinks, Matt, NU8H, for providing doughnuts and John, NU8Y, for providing coffee.

OLD BUSINESS — Toby, WT8O, led a discussion on the following:

- The Club Tool and Equipment Pool listing is now available in a password protected area of the website soon.

NEW BUSINESS — Toby, WT8O, led a discussion on the following:

- New Club members will receive a badge. Existing members can purchase a badge for \$10. Multiple badge styles are available.
- CARS will assist with the Seven Hills Memorial Day parade again this year. The city has a new parade coordinator. Mark, WJ8WM, suggested that we try to get the program early.
- More information about Field Day will be presented during the next meeting. This may be the last year at Calvin Park. SSB is in the process of being setup.
- The Club needs a new QSL manager. Tom, WB8N, is sick and no longer able to fulfill the responsibilities.
- The Club needs a new Holiday Party / Summer Picnic Chairperson. The three person committee will remain to help plan the events.
- The Club needs a new Treasurer for 2024.
- Mark, KC8ESG, suggested that the Club create an HF Net in addition to 2m. Chuck, K8CVM, has additional information about local HF Nets that run on 10m and 80m. Mark will work with Toby on this idea.
- Stephen, KE8WNP, suggested that the Club look into a Discord server to help new members learn more about the hobby.

NEXT MEETING — The next meeting of The Cuyahoga Amateur Radio Society will be April 11, 2023, at the Busch Funeral Home on Ridge Road in Parma, Ohio.

50/50 Drawing — Metro, W8MET, won the 50/50 drawing.

ADJOURNMENT — Toby, WT8O, adjourned the meeting at 8:31 PM.

After the meeting, Chuck Mehozonek, K8CVM, the Cuyahoga County ARES EC, presented on responsibilities of the EC.

Submitted by Matt Perlman, KE8OZU, CARS Secretary



Chuck, K8CVM gave a great talk on his duties as EC for ARES. (L)



The CARS patriots.

CARS Board of Directors Meeting

March 7, 2023

LOCATION — Amici Italian Restaurant and Bar, 13000 Royalton Rd., North Royalton, Ohio

MEMBERS IN ATTENDANCE — Mark Moro, WJ8WM, Board Chairman; Ron Hollas, K8RJH; Eddie Stevens, KD8FTS; Toby Kolman, WT8O; Scott Smith, AC8NW; Bob Robbins, K8RGI; Bob Check, W8GC; Terry Pillatt, KB8DTC; Matt Perlman, KE8OZU

CALLED TO ORDER — The meeting was called to order by Board Chairman Mark Moro, WJ8WM, at 6:49 PM

MOTION — Scott, AC8NW, motioned that the Club secure a bus for Hamvention for \$1,935 and charge riders \$50 each. The motion was seconded by Terry, KB8DTC. Mark, WJ8WM, thanked Scott's family for the low cost of the bus. After discussion, Scott amended, Terry seconded, and the Board unanimously passed the motion to include the following:

- The Club will secure a bus both this year for \$1,935 and next year for an undetermined cost
- This year's rate will be \$50 per rider
- Riders who sign up for the bus for Hamvention 2024 by December 31, 2023 will retain the \$50 rate
- The rate for 2024 is anticipated to increase to \$60 per rider for tickets purchased January 1, 2024, and later.

RECESS — The meeting was recessed from 7:10 PM until 7:31 PM.

MOTION — Eddie, KD8FTS, motioned that the Club move to a dedicated PayPal account. Toby, WT8O, seconded the motion. During discussion, Bob, W8GC, raised concerns with managing multiple accounts. Concerns were also raised with the current PayPal setup that mixes business and Club accounts. The motion was tabled until the next Board meeting.

ADJOURNMENT — Mark, WJ8WM, adjourned the meeting at 8:02 PM.

Submitted by Matt Perlman, KE8OZU, CARS Secretary

April Net Shed

APR	5	AC8NW
APR	12	AC8TN
APR	19	WT8O
APR	26	K8RJH

**Nets are run every Wednesday at
9:00 PM on:**

146.820 (PL 110.9)

443.825(+) PL Tone 131.8

Digital Yaesu Fusion

Linked to the 146.82 Repeater

EchoLink Node 343470 (K8ZFR-R)

Allstar Node 47067

WIRES X Node 91242 Room 01242

CARS Board of Directors Meeting

March 14, 2023

LOCATION — Busch Funeral Home on Ridge Road in Parma, Ohio

MEMBERS IN ATTENDANCE — Mark Moro, WJ8WM, Board Chairman; Ron Hollas, K8RJH; Eddie Stevens, KD8FTS; Toby Kolman, WT8O; Bob Check, W8GC; Terry Pillatt, KB8DTC; Matt Perlman, KE8OZU

CALLED TO ORDER — The meeting was called to order by President Toby Kolman, WT8O, at 6:32 PM

MOTION — Terry, KB8DTC, motioned, Ron, K8RJH, seconded and the Board unanimously approved the following:

- The Club will use Eddie's, KD8FTS's, PayPal account for the Dayton bus again this year
- The Dayton bus will cost \$50 per rider
- Bus payments sent via PayPal will include a \$2.00 processing fee, for a total of \$52 per rider
- Bus payments sent via check, cash or electronic check will not be subject to a processing fee, for a total of \$50 per rider

MOTION — Bob, W8GC, motioned, Mark, WJ8WM, seconded and the Board unanimously approved the following:

- The Club will create a Club PayPal account
- The Club PayPal account will be used when deemed appropriate by the Club Treasurer

DISCUSSION — The Board discussed the following items:

- The current PayPal account used by the Club has fees that are similar to PayPal non-profit accounts
- The Club needs a new QSL manager, a new picnic and holiday party coordinator and a new Treasurer
- The fundraising committee, Bob, W8GC, Gary, WA8GCR, Ron, K8RJH, Bob, K8RGI and Matt, KE8OZU, recently met to discuss fundraising ideas for the Club. More information will be shared during a future Club meeting.
- The Club recently received an equipment donation from a former member. The equipment will be available to Club members. A donation for the equipment is appreciated, but not required. After offering to Club members, the equipment will be made available to non-members. Bob, W8GC, will send a tax donation letter to the donor.
- TechSoup is a clearinghouse for discounted technology equipment for non-profits. Eddie, KD8FTS, and Bob, W8GC, are completing the paperwork for CARS to join TechSoup.
- Bob, W8GC, is updating the Club's address with the IRS and the State of Ohio since the Club no longer has a PO box

ADJOURNMENT — Mark, WJ8WM, adjourned the meeting at 7:07 PM.

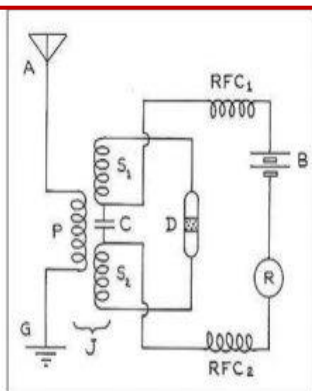
Submitted by Matt Perlman, KE8OZU, CARS Secretary

The Ionosphere, Story of Discovery

Ron, K8RJH

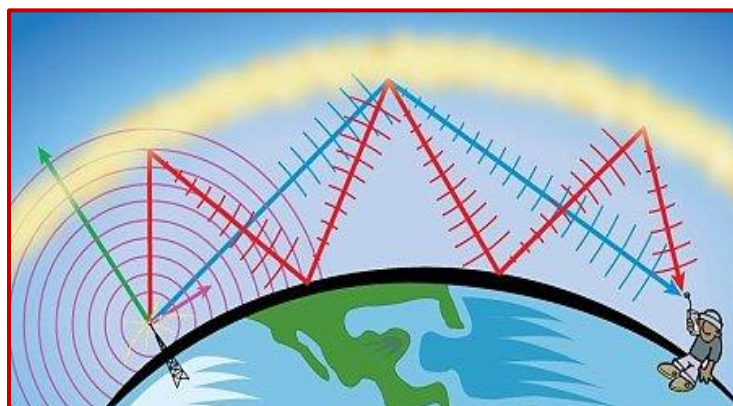
If you have the pleasure to operate Amateur HF this time of the year, one will notice that band conditions are improving for longer distance communications and now “open” for longer periods of time approaching the summer months. Most amateurs who operate the low bands are familiar with these seasonal changes of the ionosphere that make long distance contacts possible and how it’s various absorptive and reflective layers change throughout the day. Using this knowledge, the Amateur operator may predict the best time to schedule regional and DX HF contacts. Here are some details that may make the understanding of the ionosphere more interesting to learn.

The early study of what we know as the ionosphere is documented as early as 1839, where the German mathematician and physicist Carl Friedrich Gauss postulated “*An electrically conducting region of the atmosphere could account for observed variations of Earth's magnetic field*”. This was impressive insight as 60 years later Guglielmo Marconi received the first trans-Atlantic radio signal on December 12, 1901, in St. John's, Newfoundland, using a 152.4 m (500 ft.) kite-supported antenna for reception. The transmitting station in Poldhu, Cornwall, England, some 2,100 miles distant, used a spark-gap transmitter to produce a signal with a frequency of approximately 820 kHz and a “high” power level of 15 KW, which was 100 times more than any radio signal previously produced at the time. The message Marconi received was just three dits, which is Morse code for the letter “S” using a coherer detector.

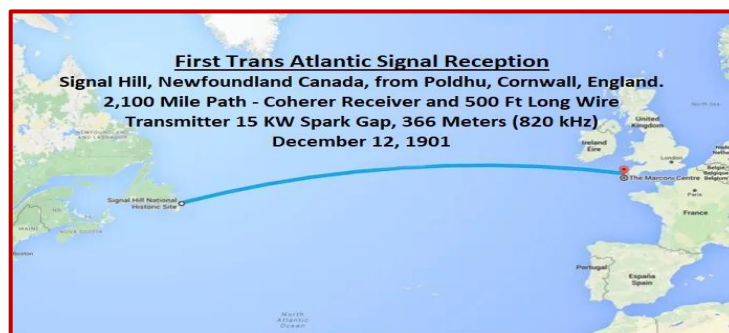


1901 Coherer Receiver Schematic
(Used for Spark Gap CW Reception)

Schematic of untuned receiver. A = antenna; g = ground; J = r.f. antenna transformer (called a “jigger”); P = primary coil; S1, S2 = halves of split secondary coil; D = coherer detector; C = r.f. bypass capacitor; RFC1, RFC2 = r.f. chokes; B = Battery; R = relay. When triggered by an r.f. signal voltage from J, the resistance of the coherer dropped, increasing the current in the d.c. circuit consisting of D, S1, S2, RFC1, RFC2, B and R. The relay circuit was isolated from the r.f. circuit by RFC1, RFC2 and C. The relay typically activated a paper chart recorder and a tapper (not shown). The tapper decohered the metal filings in the coherer to restore it to a sensitive (high resistance) state for the next signal.



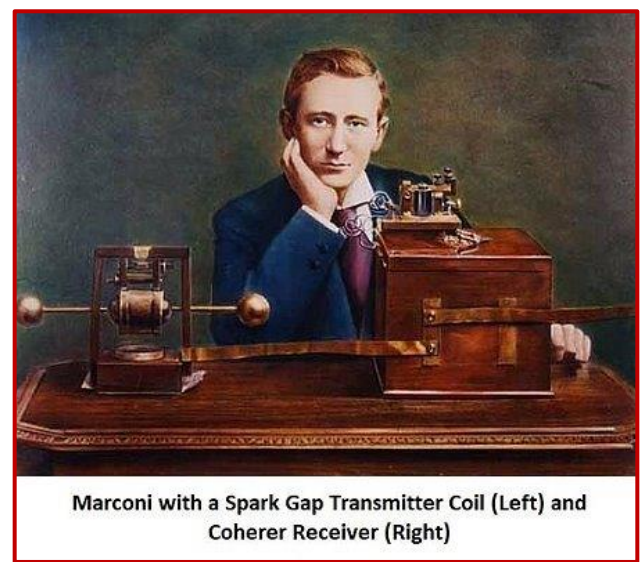
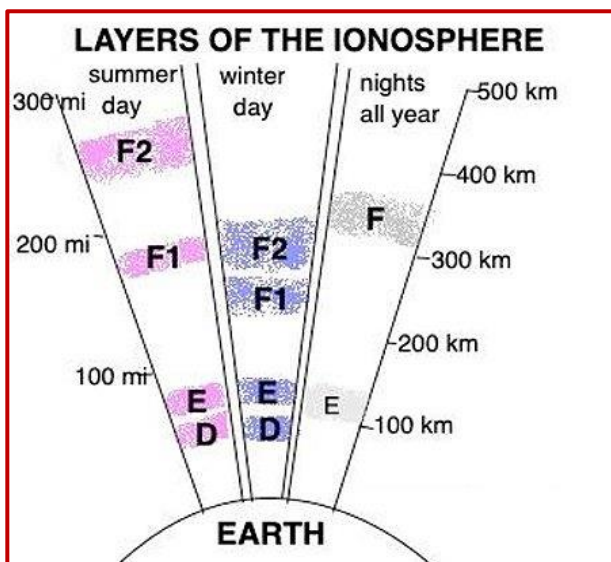
The Ionosphere



In the following year, Marconi finally had a set up a complete station of a receiver and transmitter to demonstrate transatlantic wireless communications in Glace Bay, Nova Scotia. When Guglielmo Marconi transmitted a signal between Europe and North America, he estimated that it had to bounce off an electrically conducting layer two times at about 62 miles (100 km) altitude. In 1927, Sir Edward Appleton, after additional study named this conducting layer the (E)lectrical-Layer. Additional conducting layers discovered later by various experimenters were simply called the (D)ay-Layer and (F)ar-Layer by the early amateur enthusiasts.

Now we know that ionosphere's existence is primarily due to radiation from the sun striking the atmosphere. At night, all layers decrease in density with the D-Layer undergoing the greatest change. At night the D-Layer essentially disappears. Additionally, during the day hours, the D-Layer generally absorbs the lower frequency HF radio signals. And, during the daytime the F-Layer is known to split into two layers then recombine at night. However, this information was not known in the early 1900's.

It is quite interesting that in 1912, the U.S. Congress imposed the Radio Act of 1912 on amateur radio operators, limiting their operations to frequencies above 1.5 MHz (wavelength 200 meters or smaller). The government thought those frequencies were useless! This regulation forced the early radio Amateur Radio experimenters into the discovery of worldwide HF radio propagation via the ionosphere in 1923!



The next time you have a chance to listen to the HF and the distant (DX) signals from far places, it may be reminiscent to know the key role that Amateur Radio participated years ago establishing the value of HF communication systems that we use today.

For a more comprehensive read on the development of HF and Shortwave radio, check out the resource "On the Shortwave, 1923-1945" by Jerome Berg available for download at the following link.

<https://worldradiohistory.com/BOOKSHELF-ARH/On-The-Short-Waves.pdf>

Also, HF Propagation Tool "VOACAP Online for Ham Radio" [VOACAP Online for Ham Radio](#)

Distracted Driving Law

David, AC8TN

If you operate a radio or receiver in a vehicle while moving on Ohio roads you need to know about this new strengthened Ohio Law.

Gov. DeWine on 3/JAN/23 signed into law Senate Bill-288 in Ohio strengthening our Distracted Driving Law. This law goes into effect 4/APR/23.

In summary the law states the following (there are exceptions):

"No person shall operate a motor vehicle, trackless trolley, or streetcar on any street, highway, or property open to the public for vehicular traffic while using, holding, or physically supporting with any part of the person's body an electronic wireless communications device."

Referring to Senate Bill 288, Law enforcement will issue warnings to drivers found violating the law for the first six months following the effective date. After this six-month grace period, law enforcement will have the authority to issue citations. Penalties include a fine of up to \$150 for a driver's first offense and two points on their license unless a distracted driving safety course is completed. Increased penalties can occur if the driver is a repeat offender.

Under the new law, a driver may still use their device in specific circumstances, such as when their vehicle is parked or stopped at a red light. Drivers are also permitted to swipe their phones to answer a call and to hold their phones to their ears during phone conversations. Emergency calls are also permitted in all circumstances.

The law states this exception of page 6:

(H.1.f) An "electronic wireless communications device" does NOT include a two-way radio transmitter or receiver used by a person who is licensed by the federal communications commission to participate in the amateur radio service."

It may be a good idea to have a copy of this law in your vehicle, with the amateur radio exception highlighted, if you get pulled over for allegedly violating this statute. Here's a link to the law.

<https://codes.ohio.gov/assets/laws/revised-code/authenticated/45/4511/4511.204/4-4-2023/4511.204-4-4-2023.pdf>

Always operate your vehicle in compliance with all laws and enjoy amateur radio.

CARS CW Class Update

Ron, K8RJH

The CARS CW Class for 2023 is nearing the end of the scheduled lessons having completed the study of learning the usable set of Morse code characters at 20 WPM (Words Per Minute). At the recent March 2, 2023, class, the students learned about effective techniques for improving their Morse code sending including recommended arm posture. Dave AC8TN demonstrated a Paddle Arm Rest to the class that he uses to work both Contests and grow his DX contact log!

The CARS CW Class will be scheduled in the final weeks to study the use of "CW Pronouns", Abbreviations, Contact Exchange / Messaging, concluding the course with a May 18 session on Operating Field Day CW .

The CW Class is open to any individual who would like to learn more about using or improving their Morse Code skill. For more information on the class dates and times, please contact either Dave, AC8TN or me Ron, K8RJH.



The CW class gearing up for another session.



David's device to allow elbow support on a narrow operating table.



David, AC8TN, demonstrating his design.

March V&E Session

Once again, Metro, W8MET, competently led his outstanding VE team consisting of Gary, NI8Z; Roger, N8TCP; George, K8KR; Fred, K8IG, and Linda, N8LRS to another successful VE Session on Sunday March 12th, 2023, at the Old Elmwood Recreation Center in Independence.

Five hams passed their Technician exams becoming licensed amateurs. Congratulations to Gary Kopper Jr., KE8WWE; John Krucek, KE8WWZ; Elrie Tucker, KE8WWP; Dennis Szynal, KE8WWH, and Mark Scoville, AD8KE, and welcome to the Amateur Radio Service. Mark Scoville ran the table by passing his General and Amateur Extra exams at the session. Mark was a student in the annual CARS licensing class, and it has been my (Toby, WT8O) pleasure to work with him.

The next VE testing session will be held Sunday, May 14th, at **9:15 AM*** at the Old Elmwood Recreation Center, 6200 Pete Wisniesky Parkway, Independence 44131. Directions and a map are on the CARS website homepage. For information or an appointment please contact Metro, W8MET, at 216-520-1320 or metro351@sbcglobal.net

As always, walk-ins are welcome.

***Please note time change to 9:15 AM.**



Honorary Members

**Any person who by nature of
outstanding or meritorious contribution
to the furtherance of amateur radio and
the ideals of the Cuyahoga Amateur
Radio Society**

Robert Check, W8GC
Elected 2/10/15

Thomas Wayne, WB8N
Elected 1/10/17

Dwaine Modock, K8ME, SK
Elected 5/9/17

Toby Kolman, WT80
Elected 10/10/17

Jerry Smith, NW9H
Elected 5/8/18

Ron Borkey, K8VJG, SK
Elected 5/14/19

Ed Stevens, WB8ROK, SK
Elected 8/10/21

Gramma Toby, WT80

People would ask my grandmother where she went to college.

“Tennessee” she’d answer. “Knoxville, Tennessee - The University of Hard Knocks.”

Gramma immigrated from Central Europe, a peasant girl who grew up dirt farming. She never went to school a day in her life. Her mother taught her how to read a little and she read parts of the only book in their house - the Bible.

She passed alone through Ellis Island as a teenager with a few coins in her purse, all her belongings in a battered piece of luggage, and a burning desire to be an American. She made her way to Pittsburgh where she had distant relatives she hoped would help her settle.

She gained employment with the public school system as a cleaning woman. What a phenomenal opportunity it presented. She began to learn English as she cleaned the blackboards. She saved and studied lessons and test papers from the waste baskets she emptied and kept newspapers some of the teachers threw away in their offices. This was the early twentieth century, there was no TV, no internet; the radio and newspapers comprised the media.

The staff developed a fondness for her and allowed her to borrow books from the school library. Soon after, she obtained a public library card. Working evenings, she spent a lot of time out and about. She started to talk to people and began developing her English conversational skills. However, she did notice some people would frown at her broken English. That made her even more determined to speak English well and speak it without an accent.

Gramma read Webster’s dictionary cover to cover, more than once. She read the Encyclopedia Britannica completely. Still working for the school system nearing twenty, the teachers gave her reading lists of classic books. She devoured them.

Gramma spent a great deal of time at the downtown public library, prompting one of the librarians to say, “You spend so much time here, you ought to work here.”

CARS Repeaters

146.820 (-) PL Tone 110.9

Analog Repeater

Main Site – Brecksville

Receive Only Site – Brunswick

Receive Only Site – Shaker Hts.

Receive Only Site - Parma

Allstar Node 47067

EchoLink Node 343470 (K8ZFR-R)

WIRES X Node 91242 Room 01242

443.825 (+) PL Tone 131.8

Digital Yaesu Fusion

Linked to 146.820 Repeater

Brecksville

444.75 (+) PL Tone 131.8

Analog Repeater

Not Linked to Other Repeaters

Shaker Hts.

Shortly thereafter, she became a librarian herself. With more exposure to the public, nature took its course and the tall, pretty, blonde lady fell in love and married my grandfather. Of course, by now she was a U.S. citizen and spoke flawless English. He couldn't believe she was born in Europe and had only been in America for a little over a decade. Although she had a tremendous vocabulary and spoke articulately, she was never a snob and always treated others with respect. She never forgot her roots.

Gramma's philosophy was simple. Even if one is unable to obtain a formal education, anyone could be self-educated and speak eloquently. That was only the icing on her cake. Her core values were truth, courage self-reliance, and being mannerly, respectful, and compassionate toward others. With those values, she raised her children and grandchildren.

She was a tough old bird and made us kids sing for our supper. One time my cousin Patsy asked Gramma how to spell a word.

"Look it up." Gramma said.

Frustrated Patsy shouted, "How can I look it up if I don't know how to spell it?"

"Look it up," Gramma repeated authoritatively.

Patsy left the room with smoke flowing from her ears. A few years later, she was the first-place winner in the Parma Schools Spelling Bee for her age bracket.

Of course, Gramma's been gone for many years; as are her children, and unfortunately, Patsy too. But every once in a while, I look skyward, and say "Thanks Gramma."

Donation

Jim Crane, KB8SQF, came to the March meeting bringing a Yaesu FT-780R he wished to donate to CARS in his wife's name. Judy Crane, KC8FHE (SK), was at one time the treasurer of CARS. She passed away on 6/5/2021.

Besides the radio, he also donated other miscellaneous pieces of radio equipment. We sincerely thank Jim for his kind gesture.

The *Wobbly Oscillator* is a publication of the Cuyahoga Amateur Radio Society, P.O. Box 31264, Independence, Ohio, 44131-0264. Articles from this publication may be reprinted in any ham radiopublication, if credit is given to this publication and the author, if known. All submissions should be emailed to: wt8o@att.net

CARS 2023 Officers & Committees

Audit

K8RJH ** WT8O, KD8FTS

Audio/Video

AC8NW **

ARRL Liaison

K8RJH **

Awards

W8GC ** WT8O

Christmas party & Summer Picnic

WJ8WM **, K8ARP, KD8FTU, KD8FTV

Field Day

K8RGI **, WT8O **, K8ARP, KD8SCV, AC8NW, AC8TN, WT8O, K8RJH

50/50

KD8SCV

Fund Raising

W8GC ** K8RJH, KE8OZU, WA8GCR

Hamvention Bus

KD8FTS **

Club Historian

WT8O **

License classes

KD8ACO **, WT8O, K8SHB

Media Representative

KD8SCV

Membership

WT8O ** W8GC

NET

WT8O **

Newsletter

WT8O ** 440-525-6109
wt8o@att.net

Programs at Meetings

KD8BAL ** KD8FTS, KE8OZU

Property Custodian's

KB8DTC paper records, W8GC donations to sell
WT8O Quartermaster

Public Services

KD8FTS **, K8ARP

QSL Manager - W8HBI, W8BM

WB8N **

Refreshments at Meetings & Picnic

K8RJH ** pop, NU8H ** Donuts, NU8Y ** Coffee

Scholarship

W8GC ** K8RGI, KE8OZU, WT8O, K8RJH

Sunshine (welfare)

Andy, KD8SCV ** 440-886-0723

Technical

AC8NW ** N8OVW, WJ8WM, KD8ACO, K8RJH, KB8DTC

VE Exams

Metro, W8MET ** 216-520-1320

Web Master/e-mail

W8GC ** KE8OZU

**** chairman or co-chairman**

2023 Officers

PRESIDENT

Toby Kolman WT8O 440-525-6109
wt8o@att.net

VICE-PRESIDENT

Ron Hollas, K8RJH, 216-379-7440

SECRETARY

Matt Perlman, KE8OZU, 216-337-1540
Alternate Secretary:

TREASURER:

Bob Check W8GC 216-524-1750
Alternate Treasurer: Bob Robbins, K8RGI

Board Members & License Trustees

Board Chairman:

Mark Moro WJ8WM 216-661-0342

even year executive board 2 year term

AC8NW, KB8DTC, WJ8WM

odd year executive board 2 year term

K8RGI, K8ARP, KD8FTS

License trustee

K8ZFR
WT8O

License trustee

W8HBI, W8BM,
W8GC



March 9, 2023

**Please reserve and pay for your
“2023 Hamvention” ride to Xenia, OH
Bus Trip ASAP.**

**Saturday May 20, 2023 CARS is
sponsoring a Bus trip to the “2023
Hamvention” 5th year at the Green
County Fairgrounds, Xenia, OH.**

*Every amateur radio operator in the world
probably dreams about going to the Hamvention
(AKA Dayton Hamvention) at least once. Please
join us in 2023, it is an incredible event, and offers something for everyone.*



**The Bus trip will cost \$50.00 dollars per person, this price has not
changed since 2014, we will not stop for breakfast on the way down,
but there “may be” a fast food stop on the way home. You are
responsible for both your food and Hamvention tickets. Go to
<http://hamvention.org/purchase-tickets> to order your tickets.**

The Bus is wheel-chair accessible

*Stop 1: The 56 passenger bus will leave promptly at 5:30 am from in front of
Fin-Feather-Fur at the intersection of Engle and Bagley Roads, in Middleburg Heights,
Engle Road is 1/4 mile west of I-71, parking is behind the Gas station. Vehicles will be
safe, there is security.*

*Stop 2: The bus will also pickup riders at I-71 & Rt 303 at the SE corner of the Kmart
parking lot and will depart non-stop for Xenia at approximately 6:00 am.*

***When ordering tickets please tell us which stop you will be at, plus
we need your email info, name, call and phone number.***

Bus tickets must be purchased and paid for in advance.

*CARS Hamvention Bus tickets can be purchased on the web at
cars.clevelandcomputer.com/*

*If you have any questions, please contact Eddie Stevens, KD8FTS by phone
at 440-888-9536, or email at CARS@KD8FTS.com.*

73, Eddie, KD8FTS